

Easy optimization of ECU-specific parameters

Extended support for FlexRay and model-based software development with CANape 6.5



Stuttgart, 09-10-2007 – The new version 6.5 of the CANape measurement and calibration tool from Vector simplifies optimization of ECU-specific parameters in vehicles. In addition to extended bus and protocol support for FlexRay, ECU developers also benefit from convenient display of Simulink software models that are used.

Direct access to internal parameters of FlexRay ECUs via XCP on FlexRay can now also be obtained with PDU support based on an OEM-specific description file. The most important precondition for optimization of control functions in the ECU is time-synchronous acquisition of internal ECU signals with CCP/XCP, external measurement equipment and bus messages. Effective immediately, CANape 6.5 observes bus messages from the LIN bus conforming to the new 2.1 standard as well as messages from the FlexRay bus that are based on an OEM-specific FIBEX file.

As part of model-based software development, the user works with MATLAB/Simulink to generate a representative model that CANape then displays graphically. This enables convenient navigation through the Simulink models as well as searches for the objects they contain. It is not necessary to install MATLAB/Simulink to display these models.

A DLL can be generated from a model with the help of Real-Time Workshop; this DLL can be called periodically in CANape to simulate ECU functionality. Automatic allocation of inputs and outputs of the Simulink models to real signals in CANape is now supported; this results in significant reduction of work effort on larger models.

Press Release

Besides the XML-based PaCo format, CANape also supports the new CDF format and lets the user store supplemental meta-information for each parameter value, e.g. maturity level, history of values or author.

For further information on the Internet go to:

www.vector-informatik.com/canape



[Figure: Optimal parameterization of in-vehicle ECUs with CANape 6.5]

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This know-how is conveyed in the form of products or as a comprehensive consultation package with system and software engineering. Workshops and seminars round out our multifaceted training program.

Worldwide customers in the automotive, heavy-duty vehicle, transport and control engineering fields rely on solutions and products from the independently-owned Vector Group.

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